

GenCore version 5.1.6
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OW protein - protein search, using sw model

Run on: June 17, 2004, 14:15:01 ; Search time 24 Seconds
(without alignments)
452.902 Million cell updates/sec

Title: US-09-441-242a-2

Perfect score: 612

Sequence: 1 AECPTLGEAVTDHPDRLMAW.....VYHIKIDGVEDMLLELPDD 113

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283366 seqs, 96191526 residues

Total number of hits satisfying chosen parameters: 283366

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	612	100.0	114	2	T38286	T cell leukemia/ly
2	221	36.1	107	2	S78532	MTCP-1 protein spi
3	86	14.1	618	2	AC0884	glutathionylisperm
4	83	13.6	619	2	A91113	glutathionylisperm
5	83	13.6	619	2	A85958	glutathionylisperm
6	83	13.6	619	2	A57538	glutathionylisperm
7	75	12.3	275	2	F81675	conserved hypotet
8	74	12.1	363	2	S74814	hypothetical prote
9	73.5	12.0	196	2	D72554	probable cytochrom
10	72	11.8	377	2	S61892	polyaccharide exp
11	71.5	11.7	727	2	A71069	hypothetical prote
12	69	11.3	687	2	E69733	PBX3 prophage ORF
13	69	11.3	1145	2	T13810	DNA-directed DNA p
14	69	11.3	2944	2	A54849	collagen alpha 1(V
15	68	11.1	259	1	PMRBBM	biophosphoglycerat
16	68	11.1	1426	2	T00337	hypothetical prote
17	67	10.9	399	2	B82197	zona occludens tox
18	66.5	10.9	218	2	T15053	ribonuclease (EC 3
19	66.5	10.9	411	2	D75543	aminopeptidase - D
20	66.5	10.9	567	2	T08405	hypothetical prote
21	66	10.8	256	1	HLMSA2	H-2 class II histo
22	66	10.8	256	1	IS4447	gene HMC H2-I-A-al
23	66	10.8	258	1	HLMSA4	H-2 class II histo
24	66	10.8	313	2	PMRBBM	biophosphoglycerat
25	66	10.8	313	2	A45822	beta-lactamase (EC
26	66	10.8	702	2	AG0005	guanosine-3',5'-bi
27	66	10.8	4151	2	G70944	probable polyketid
28	65.5	10.7	399	2	A43864	zonula occludens t
29	65.5	10.7	454	2	G70797	hypothetical prote

30	65	10.6	233	2	I79357	IA-alpha polypept
31	65	10.6	254	2	S11649	class II histocomp
32	65	10.6	259	1	PMRBBM	biophosphoglycerat
33	65	10.6	663	2	A91048	probable 2-compone
34	65	10.6	663	2	B65025	hypothetical prote
35	65	10.6	679	2	B65892	hypothetical prote
36	64.5	10.5	330	2	AF1877	hypothetical prote
37	64.5	10.5	834	2	S66258	glucosidase I - hu
38	64.5	10.5	1534	2	T30295	P-glycoprotein - T
39	64	10.5	266	2	A12762	conserved hypotet
40	64	10.5	271	2	H97543	hypothetical prote
41	64	10.5	312	2	B45335	probable heme A fa
42	64	10.5	334	2	B72033	conserved hypotet
43	64	10.5	334	2	C96593	CT566 hypothetical
44	64	10.5	381	2	A46358	steroid/hydroid ho
45	64	10.5	452	2	AC2718	conserved hypotet

ALIGNMENTS

RESULT 1

138286
T cell leukemia/lymphoma protein TCL1 - human
N:Alternate names: T-cell leukemia-related protein TCL1
C:Species: Homo sapiens (man)
C:Date: 09-Mar-1996 #sequence_revision 09-Mar-1996 #text_change 05-Nov-1999
C:Accession: I38286; S51138
R:Virgilio, L.; Narducci, M.G.; Isebe, M.; Billips, L.G.; Cooper, M.D.; Croce, C.M.; R
Proc. Natl. Acad. Sci. U.S.A. 91, 12530-12534, 1994
A>Title: Identification of the TCL1 gene involved in T-cell malignancies.
A:Reference number: I38286; MUID:95107991; PMID:7809072
A:Accession: I38286
A:Molecule type: mRNA
A:Residues: 1-114 <RES>
A:Cross-references: EMBL:X82240; NID:G624960; PIDN:CAAS7708.1; PID:G624961
C:Genetics:
A:Gene: GDB:TCL1
A:Cross-references: GDB:250785
A:Map position: 14q32.1-14q32.1

Query Match 100.0%; Score 612; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1e-59;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	AECPTLGEAVTDHPDRLMAWKEFYLDKQAMVPLTEIKDRQLRLRRDVLGRP	60
Db	2	AECPTLGEAVTDHPDRLMAWKEFYLDKQAMVPLTEIKDRQLRLRRDVLGRP	61
Qy	61	MTPTQIGPSLLPIWMOIYPDGRVRSDDSPFRLVYHIKIDGVEDMLLELPDD	113
Db	62	MTPTQIGPSLLPIWMOIYPDGRVRSDDSPFRLVYHIKIDGVEDMLLELPDD	114

RESULT 2

S78532
MTCP-1 protein splice form BI - human
C:Species: Homo sapiens (man)
C:Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 20-Jun-2000
C:Accession: S78532
R:Stern, M.H.; Soulier, J.; Rosenzweig, M.; Nakahara, K.; Canki-Klain, N.; Aurias, A.;
Oncogene 9, 2475-2483, 1993
A>Title: MTCP-1: a novel gene on the human chromosome Xq28 translocated to the T cell
A:Reference number: I38045; MUID:93368950; PMID:8361760
A:Accession: S78532
A:Molecule type: DNA
A:Residues: 1-107 <STB>
A:Cross-references: EMBL:Z24459; NID:G2252491; PIDN:CAA80828.1; PID:G2252492
C:Genetics:
A:Gene: MTCP-1
A:Introns: 35/3; 92/3
C:Keywords: alternative splicing; T-cell proliferation

Query Match	13.6%;	Score 83;	DB 2;	Length 619;
Best Local Similarity	28.4%;	Pred. No. 0.55;		